

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Original) A security lighting apparatus, which comprises:

a human body detector for detecting a human body within a detection area;

an illuminator for illuminating the detection area when a human body is detected;

a time zone setting device for setting a specific time zone during which a security check must be made; and

an alert device operable, when the human body is detected within the detection area during the specific time zone, to issue an alert to an intruder entering the detection area.
2. (Original) The security lighting apparatus as claimed in Claim 1, wherein the alert device issues the alert by repeatedly turning the illuminator on and off.
3. (Original) The security lighting apparatus as claimed in Claim 1, wherein the alert device issues the alert in the form of sounds or in the form of a combination of blinking of the illuminator and sounds.
4. (Original) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a sunset detecting unit for detecting sunset;

a start time setting unit for setting a start time of the specific time zone as a length of time passed subsequent to sunset;

an end time setting unit for setting an end time of the specific time zone as a length of time passed subsequent to sunset; and

an elapsed time measuring unit for measuring a length of time passed from sunset.

5. (Original) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a sunset detecting unit for detecting sunset;

a sunrise detecting unit for detecting sunrise;

a start time setting unit for calculating a start time of the specific time zone to a midtime by calculating such midtime between sunset and sunrise;

an end time setting unit for setting an end time of the specific time zone as a length of time passed subsequent to the midtime; and

an elapsed time measuring unit for measuring a length of time passed from the midtime.

6. (Original) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a sunset detecting unit for detecting sunset;

a sunrise detecting unit for detecting sunrise;

a past data accumulating unit for accumulating a predetermined number of past sunset/sunrise hours;

a start time setting unit for a start time of the specific time zone to a midtime by calculating such midtime between sunset and sunrise, which is averaged from the sunset/sunrise hours contained in the past data;

an end time setting unit for setting an end time of the specific time zone as a length of time passed from the midtime; and

an elapsed time measuring unit for measuring a length of time passed from the midtime.

7. (Original) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a clock for clocking;

a start time setting unit for setting a start time of the specific time zone; and

an end time setting unit for setting an end time of the specific time zone.

8. (Original) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a home return determining unit for determining a return of a house resident back to a house;

a start time setting unit for setting a start time of the specific time zone as a confirmation hour at which it has been confirmed that all of house residents returned home;

an end time setting unit for setting an end time of the specific time zone, as a length of time passed from the confirmation hour; and

an elapsed time measuring unit for measuring a length time passed from the confirmation hour.

9. (Original) The security lighting apparatus as claimed in Claim 1, further comprising at least a camera for taking a picture of the detection area when illuminating light from the illuminator blinks.

10. (New) The security lighting apparatus as claimed in Claim 1, wherein the time zone setting device comprises:

a home return determining unit for determining the return of a house resident back to a house, and

a start time setting unit for setting a start time of the specific zone as a confirmation hour at which it has been confirmed that all of house residents returned home.